

## The Oath

Suite: Insignia

by Arya Akhavan (January 2013)

Angles for R.I. = 2.160

131 + 16 girdles = 147 facets

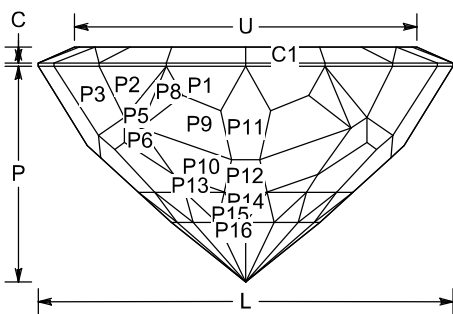
2-fold, mirror-image symmetry

96 index

L/W = 1.000 T/W = 0.931 U/W = 0.825

P/W = 0.519 C/W = 0.038

Vol./W<sup>3</sup> = 0.201



### PREFORM

X1	43.00°	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	Cut to centerpoint.
G1	90.00°	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	Set stone size.

### PAVILION

90.00°	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	
P1	59.77°	03-45-51-93 Set girdle level.
P2	70.17°	09-39-57-87 Level girdle.
P3	64.87°	15-33-63-81 Level girdle.
P4	58.72°	21-27-69-75 Level girdle.
P5	59.34°	06-42-54-90 Meet G1, P1, P2
P6	44.40°	11-37-59-85 Meet P2, P3, P5 (frosted)
P7	48.15°	13-35-61-83 Meet P2, P3, P5, P6
P8	57.49°	05-43-53-91 Meet G1, P1, P2, P5
P9	53.47°	04-44-52-92 Meet P5, P6, P8
P10	47.39°	05-43-53-91 Meet P5, P6, P8, P9 (frosted)
P11	54.75°	96-48 Meet G1, P1
P12	43.64°	96-48 Meet P9, P10, P11 (frosted)
P13	42.40°	06-12-18-24-30-36-42-54-60-66-72-78-84-90 Meet P3, P4, P7 (only 4 facets meet - cut rest to centerpoint)
P14	42.20°	96-06-12-18-24-30-36-42-48-54-60-66-72-78-84-90 Meet P10, P12, P13 (frosted)
P15	39.33°	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93 Meet P10, P12, P13, P14 (only 4 facets meet - cut rest to centerpoint) (frosted)
P16	39.21°	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93 Meet P14, P15

### CROWN

C1	48.45°	03-09-15-33-39-45-51-57-63-81-87-93 Set girdle width.
C2	25.58°	21-27-69-75 Level girdle.
C3	39.46°	12-36-60-84 Meet G1, C1
C4	23.82°	22-26-70-74 Meet G1, C2
T	0.00°	Table Meet C1, C2, C3

I was supposed to make a Batman insignia, but that was too difficult. Instead, I ended up with this Green Lantern insignia. It allows for brilliance and good light return, while also showing the design clearly. Works in materials from YAG to CZ (RI = 1.83- 2.16) with no changes. Don't forget to frost the pavilion facets!

Suggested size = 10-20 mm

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